

According to IEC 60947-3, EN 60947-3, VDE 0660 part 107



Rated Thermal Current $I_U/I_{th}/I_{the}$				
			A	20
Rated Insulation Voltage U_i ¹				
			V	690
Rated Impulse Withstand Voltage U_{imp}				
			kV	6
Rated Operational Current I_e				
AC-21A	Switching of resistive loads, including moderate overloads		A	20
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		A	20
		220 V–500 V 660 V–690 V	A	20
AC-15	Switching of control devices, contactors, valves etc.		A	5
		220 V–240 V 380 V–440 V	A	4
Rated Utilization Category				
AC-2	Slip ring motor starting, reversing and plugging, star-delta starting	3 phase, 3 pole		
				220 V–240 V 380 V–440 V 500 V 660 V–690 V
			kW	4 7,5 10 10
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole		
				220 V–240 V 380 V–440 V 500 V 660 V–690 V
			kW	3 5,5 5,5 5,5
		1 phase, 2 pole		
			kW	0,6 2,2 3
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole		
				220 V–240 V 380 V–440 V 500 V 660 V–690 V
			kW	0,55 1,5 1,5 1,5
		1 phase, 2 pole		
			kW	0,3 0,75 1,5
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole		
				220 V–240 V 380 V–440 V 500 V 660 V–690 V
			kW	3,7 7,5 7,5 7,5
		1 phase, 2 pole		
			kW	0,75 2,5 3,7
Short Circuit Protection				
Max. fuse size		gG-characteristic	A	25
Rated short-time withstand current		(1 s-current)	A	140
Max. Permissible Wire Gage - copper wires only				
				2 x
		Single-core or stranded wire	mm ²	2,5
		Flexible wire	mm ²	2,5
		Flexible wire with sleeving in accordance with DIN 46228	mm ²	2,5

¹ Valid for lines with grounded common neutral termination, overvoltage category III, Other values on request.

Miscellaneous

Tightening torque of terminal screw:	0,8 Nm (7 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	0,9 W
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm
Resistance to shock:	min. 5 g, 6 ms
Min. Ambient Temperature of Stages:	-5 °C
Max. Ambient Temperature of Stages:	open at 100 % I_U/I_{th} 55 °C during 24 hours with peaks up to 60 °C enclosed at 100 % I_{the} 35 °C during 24 hours with peaks up to 40 °C
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)

Approvals and Standards



USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$		UL	CSA
		A	20
Rated Insulation Voltage U_i		V	300
Rated Operational Current I_e			
Pilot Duty:	Heavy	VAC	A300
Ampere Rating	Resistive or low inductive loads	A	20
Max. Permissible Wire Gage - copper wires only			2 x
Single-core or stranded wire		AWG	12
Flexible wire: AWG wire (without sleeving)		AWG	14
Ratings			
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V–120 V 220 V–240 V	HP 1,5 3
	1 phase 2 pole	110 V–120 V 220 V–240 V 277 V	HP 0,5 1 2
Heavy motor Load-reversing (similar AC-4)	3 phase 3 pole	110 V–120 V 220 V–240 V	HP 0,5 1
	1 phase 2 pole	110 V–120 V 220 V–240 V 277 V	HP 0,17 0,5 0,6

Miscellaneous

Tightening torque of terminal screw:	0,8 Nm (7 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	0,9 W
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm
Resistance to shock:	min. 5 g, 6 ms
Min. Ambient Temperature of Stages:	-5 °C
Max. Ambient Temperature of Stages:	open at 100 % I_U/I_{th} 55 °C during 24 hours with peaks up to 60 °C enclosed at 100 % I_{the} 35 °C during 24 hours with peaks up to 40 °C
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)

Approvals and Standards

IEC 60947
EN 60947